FIIG T214
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FEDERAL ITEM IDENTIFICATION GUIDE

ELECTRICAL PROTECTIVE DEVICES

This reprint replaces FIIG T214, dated October 5, 2001.

Commander

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BY ORDER OF THE DIRECTOR

/s/

Commander

Defense Logistics Information Service

Contents

GENERAL INFORMATION

1. Purpose and Scope

This Federal Item Identification Guide (FIIG) is a self-contained document for the collection, coding, transmittal, and retrieval of item characteristics and related supply management data for an item of supply for logistical use. This FIIG is to be used to describe items of supply identified by the index of approved item names appearing in this section.

2. Contents

This FIIG is comprised of the following:

Index of Approved Item Names Covered by this FIIG
Applicability Key Index
Section I - Item Characteristics Data Requirements
Section III - New text that should be here.
Appendix A - Reply Tables
Appendix B - Reference Drawing Groups (as applicable)
Appendix C - Technical Data Tables (as applicable)

a. Index of Approved Item Names Covered by this FIIG:

The index lists the approved item names with definitions and item name codes as they appear in Cataloging Handbook H6, applicable to this FIIG. In addition, each name entry is assigned an applicability key for use in relating the characteristics requirements in Section I to the specific item name.

b. Applicability Key Index:

The purpose of this index is to provide the user with a ready reference for determining the specific requirements which are applicable to a given approved item name. This index lists all requirements in sequence as they appear in the FIIG. The applicability of a Master Requirement Coded requirement is indicated by the column headed by the specific item name applicability key as follows:

(1) The letter "X" indicates the requirement must be answered for a full descriptive item.

(2) The letters "AR" indicate the requirement is to be answered as required by (1) instructional notes within the FIIG; (2) when the reply is predicated on replies to a related main requirement; or (3) when an asterisk (*) is used in conjunction with the applicability key column in Section I.

(3) A blank in the column indicates the requirement is not applicable to the specific item name.

c. Section I - Item Characteristics Data Requirements:

This section contains the physical and performance characteristics requirements needed to describe and identify an item of supply. These characteristics differentiate one item from all other items of supply and are to be used to meet the needs of all supported functions. This section is arranged in columns. Identification of each column and instructions pertinent thereto are as follows:

(1) Applicability Key:

The first column shows the applicability key(s) for each requirement. It indicates whether the requirement need be satisfied for the item being identified. "ALL" indicates that the requirement must be answered for all items covered by the FIIG. One or more alphabetic character(s) or group of one or more alphabetic characters indicates a response is required when describing items with an approved item name or names represented by the key(s). An asterisk (*) used in conjunction with any applicability key indicates that the characteristic stated in the requirement may not be applicable to all items covered by the FIIG.

(2) Master Requirement Codes (MRC):

A four-position code which is assigned to a FIIG requirement for identification of the requirement, cross-referencing requirements in the various sections and appendices of the FIIG, and for mechanized processing and retrieval of FIIG generated data. Absence of a MRC for a requirement indicates a lead-in to requirements with individual MRCs in Appendix B.

(a) The coding technique for providing MULTIPLE/OPTIONAL responses will not be used for a Section I requirement assigned Mode Code A or L that leads to Appendix B sketches with dimensional requirements.

(b) Identified Secondary Address Coding:

This technique is for extending the Master Requirement Code so that a unique address is provided for each application of the requirement in relation to the item and is authorized only as instructed within the requirement. Responses coded through this technique will always consist of the following: (1) Master Requirement Codes, (2) indicator code (a single numeric character determined by the number of positions contained), (3) identified secondary address code (1 to 3-digit alphabetic codes determined by the number of predicted replies), (4) the mode code, (5) the reply code and/or clear text response, and (6) end with a record separator (*). Steps (1) through (6) are repeated for each application of the requirement.

(c) AND/OR coding:

A technique for extending the Master Requirement Code to provide a distinctive address for multiple responses to the same requirement. Responses coded through this technique will always consist of (1) Master Requirement Code, (2) mode code, (3) the response or reply code (as instructed by the requirement), (4) a single dollar sign ($) for an OR condition, or a double dollar sign ($$) for an AND condition, (5) the mode code, (6) the response or reply code

(followed by conditions (4) through (6) for each of the multiple responses) and (7) end with a record separator (*). NOTE: Apply this technique only when instructed by the requirement sample reply (e.g.).

(3) Mode Code:

A one-position alphabetic code that specifies the manner in which a response will be prepared. Each requirement assigned a MRC is also assigned a mode code. Sample replies follow each FIIG requirement displaying the proper construction of a response for the assigned mode code. The response to a requirement will always be prepared in accordance with the assigned mode code and sample reply except in the following instances:

(a) Use of E Mode Code replies is not authorized. If a reply needed to describe an item is not listed in the applicable table, contact the FIIG Initiator.

(b) Mode Code K may not be used for any requirement unless instructed by the requirement instructions.

(4) Requirement:

This portion includes the characteristics data elements and data use identifiers required to identify and differentiate one item of supply from another, narrative definitions, and explanations as to use and method of expression. Instructions for coding and preparing replies are also provided.

(5) Reply Code:

A code that represents an established authorized reply to a requirement.

d. Section III - Supplementary Technical and Supply Management Data:

This section includes those characteristics requirements necessary to support specific logistics functions other than National Stock Number assignment.

e. Appendix A - Reply Tables:

Tables of authorized replies to requirements and reply codes when the tables are too lengthy for inclusion in Section I/III, when applicable.

f. Appendix B - Reference Drawings:

This appendix contains representative illustrations which portray specific variations of one or more generic characteristics. If reference drawings contain requirements pages to be used in conjunction with illustrations for dimensioning purposes, the requirements pages will contain Master Requirement Codes, mode codes, and a statement of the requirement. A response to requirements on a requirements page is necessary only for those Master Requirement Codes applicable to the illustration selected.

g. Appendix C - Technical Data Tables:

This appendix contains conversion charts and similar data pertinent to the requirements in Section I/III, when applicable.

3. Enter administrative MRC CLQL immediately following the last FIIG requirement reply, as instructed below:

MRC	Mode Code	Requirement	Example
CLQL	G	COLLOQUIAL NAME (common usage name by which an item is known)	CLQLGWOVEN WIRE CLOTH*

4. Special Instructions and Indicator Definitions

a. Measurements:

Unless otherwise indicated within a requirement example, enter all measurements in decimal form, carried to the nearest three decimal places, with a minimum of one digit preceding the decimal. For SI (metric), enter all measurements with a minimum of one digit before and after the decimal. For fraction to decimal conversion, see Appendix C.

b. Indicators:

A cross hatch (#) following an AIN, MRC, Reply Code or Drawing Number indicates for "ALL EXCEPT USA" use only.

5. Indexes

a. Index of Data Requirements

This index is arranged in alphabetic sequence by Master Requirement Code, cross-referenced to the applicable data requirement and page number(s).

b. Index of Approved Item Names

This index is arranged in alphabetic sequence referenced to Applicability Key.

c. Applicability Key Index

This index is arranged in Applicability Key Sequence.

6. Maintenance

Requests for revisions and other changes will be directed to:

[Page Break]

MRC Index

INDEX OF APPROVED ITEM NAMES COVERED BY THIS FIIG

Approved Item Name	INC	App Key
ABSORBER ASSEMBLY, SURGE #	40944	AC

An item which prevents voltage spikes (surge) from entering the circuitry of equipment. It may be wholly or partially solid state, and may have electromagnetic interference (EMI-RFI) filtering. It consists of several outputs of different voltages, such as for telecommunications and normal line power. It is connected between the mains and the system's power cables, or supplied as an accessory for subsequent installation. Excludes REGULATOR, VOLTAGE and TRANSFORMER (1), POWER. For single function items, see FILTER (3), RADIO FREQUENCY INTERFERENCE and LIMITER, ELECTRICAL NOISE.

ABSORBER, OVERVOLTAGE	21899	AB

An item specifically designed to absorb and consume surges of voltage such as that resulting across contacts when breaking a circuit having an inductive load or a burst of static across a telephone receiver. It is connected in parallel with the item it is protecting. It may be made up of metallic rectifier cells or semiconductor devices connected back-to-back which may or may not be shunted by a capacitor. It may also be a single rectifier cell or semiconductor device shunted by a capacitor. Excludes metallic rectifiers which are rated for rectifying capabilities and all single unit semiconductor devices not shunted by a capacitor. For items performing this function by use of voltage sensitive resistors, see RESISTOR, VOLTAGE SENSITIVE. See also OUTPUT DISK, PROTECTIVE.

ABSORBER, SURGE #	40943	AC

An item which prevents voltage spikes (surge) from entering the circuitry of equipment. It may be wholly or partially solid state, and may have electromagnetic interference (EMI-FRI) filtering. It is connected between the mains and the system's power cable(s), or supplied as an accessory for subsequent installation. Excludes REGULATOR, VOLTAGE and TRANSFORMER (1), POWER. For single function items, see FILTER (3), RADIO FREQUENCY INTERFERENCE and LIMITER, ELECTRICAL NOISE. For items with several different output voltages, see ABSORBER ASSEMBLY, SURGE.

ARRESTER, ELECTRICAL SURGE	00381	CC

A circuit protecting device which provides a discharge path for abnormal surges of high potential while consuming little or no power at normal operating voltage. Excludes items which absorb continuously recurring cyclic pulses. For resistors which are sensitive to voltage changes or used as elements in surge arresters, see RESISTOR, VOLTAGE SENSITIVE. See also ABSORBER, OVERVOLTAGE and CUTOUT DISK, PROTECTIVE.

ARRESTER, LIGHTNING	00382	CC

A protective device to provide a discharge path for lightning between line and line, and/or line and ground. See also PROTECTOR, TELEPHONE.

Approved Item Name	INC	App Key
BLOCK, TELEPHONE PROTECTOR	00311	BA

An item designed to be used with other similar items in an electrical circuit to form an open-space cut-out for protection against high potentials, such as lightning and/or abnormal electric currents. It is a maintenance part for a PROTECTOR, TELEPHONE.

FUSE CUTOUT, PRIMARY EXPULSION	05385	AA

A device designed to protect heavy duty electrical power and lighting primary circuits and equipment against excessive electrical currents by automatically de-energizing the affected section of the circuit. Consists of a fusible element and a mechanism for quick disconnect of circuit when fuse is blown. May be designed for automatic re-energizing after a predetermined time delay.

LIGHTNING ROD	00758	BB

A rod or rod assembly specifically designed to be mounted vertically on the highest point of a structure and connected to ground in such a way that it can carry a lightning discharge to ground. May include accessories such as clamps and cables.

PANEL, FUSE	00320	DA

An item which consists of a panel with fuse holders mounted thereon and with terminal facilities. It is usually designed for power distribution service. May include fuses.

PROTECTOR, TELEPHONE	00383	CB

An item specifically designed to protect telephone circuits against high potentials, such as lightning and/or abnormal electrical currents. It may include an inclosure, but does not always include the protective components such as protector blocks, heat coils, and/or fuses. Excludes items which may be used in other than telephone circuits. See also ARRESTER, LIGHTNING and FUSEHOLDER.

THERMAL RELEASE, CIRCUIT BREAKER	02075	CA

An item containing fusible material which melts when the temperature reaches a predetermined value caused by an overload in an electrical circuit. The melting (fusion) of the material mechanically causes contacts to open and/or close. The item may include an integral heating element, such as a coil or resistor, but does not include contacts. Excludes COIL, CIRCUIT BREAKER; HEATER, THERMAL RELEASE; and TRIPPER, CIRCUIT BREAKER.

APPLICABILITY KEY INDEX

	AA	AB	AC
NAME	X	X	X
ABHP	AR	AR	AR
ABMK	AR	AR	AR
ADAV	AR	AR	AR
ABKW	AR	AR	AR
ABFY	AR	AR	AR
ADJH	AR	AR	AR
ALGC	AR	AR	AR
ACDC	AR	AR	AR
ELEC	AR	AR	AR
AMPS	AR	AR	AR
AQAY	AR	AR	AR
FREQ	AR	AR	AR
AQDK	AR	AR	AR
AQDL	AR	AR	AR
AQDN	AR	AR	X
AAJG	X		
AQDQ	AR		
ABBH	AR		
APGF	X		
AFWL	X		
AQAT	AR		
AQDR	X		
AARB		AR	AR
AARA		AR	AR
ALPY		X	X
AQCW		X	
AQCT		X	
APZX		AR	
ACKG		AR	AR
ANPZ		AR	AR
AQCS		AR	AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AGAV	AR	AR	AR
ALCD	AR	AR	AR

AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR

	BA	BB
NAME	X	X
MATL	X	X
SHPE	X	
ABHP	AR	AR
ADAV	AR	AR
ABMK	AR	AR
ABFY	AR	AR
ABKW	AR	AR
ADUM	AR	AR
ALGC		AR
SURF		AR
APZY	X	
MARK	AR	
AALW		AR
AKYN		AR
FEAT	AR	AR
TEST	AR	AR
SPCL	AR	AR
ZZZK	AR	AR
ZZZT	AR	AR
ZZZW	AR	AR
ZZZX	AR	AR
ZZZY	AR	AR
CRTL	AR	AR
PRPY	AR	AR
ELRN	AR	AR
NHCF	AR	AR
ELCD	AR	AR
AFJK	AR	AR
AGAV	AR	AR
ALCD	AR	AR
AWJN	AR	AR
PRMT	AR	AR
PMWT	AR	AR
PMLC	AR	AR
SUPP	AR	AR
ZZZP	AR	AR
ZZZV	AR	AR

	CA	CB	CC
NAME	X	X	X
ABHP	AR	AR	AR
ADAV	AR	AR	AR
ABMK	AR	AR	AR
ABKW	AR	AR	AR
ABFY	AR	AR	AR
ADJH			AR
ALGC	AR	AR	AR
ANPZ		AR	
ABBH		AR	
AAFZ	AR		X
ALBY		X	X
AQEF	X		
AQAM	AR		
AQAN		X	
AQEB		AR	
AQEA		AR	
AQDZ		AR	
AKVY		AR	
AKVZ		AR	
AQAP			X
AQAQ			AR
AQAR			AR
AARB			AR
AARA			AR
FEAT	AR	AR	AR
TEST	AR	AR	AR
SPCL	AR	AR	AR
ZZZK	AR	AR	AR
ZZZT	AR	AR	AR
ZZZW	AR	AR	AR
ZZZX	AR	AR	AR
ZZZY	AR	AR	AR
CRTL	AR	AR	AR
PRPY	AR	AR	AR
ELRN	AR	AR	AR
NHCF	AR	AR	AR
ELCD	AR	AR	AR
AFJK	AR	AR	AR
AGAV	AR	AR	AR
ALCD	AR	AR	AR
AWJN	AR	AR	AR
PRMT	AR	AR	AR
PMWT	AR	AR	AR
PMLC	AR	AR	AR
SUPP	AR	AR	AR
ZZZP	AR	AR	AR
ZZZV	AR	AR	AR

	DA
NAME	X
ABHP	AR
ADAV	AR
ABMK	AR
ABKW	AR
ABFY	AR
MATL	X
ALGC	AR
AFWL	X
AQAT	AR
AARB	AR
AGUF	AR
AQAW	AR
AARA	AR
MARK	AR
AKYN	AR
FEAT	AR
TEST	AR
SPCL	AR
ZZZK	AR
ZZZT	AR
ZZZW	AR
ZZZX	AR
ZZZY	AR
CRTL	AR
PRPY	AR
ELRN	AR
NHCF	AR
ELCD	AR
AFJK	AR
AGAV	AR
ALCD	AR
AWJN	AR
PRMT	AR
PMWT	AR
PMLC	AR
SUPP	AR
ZZZP	AR
ZZZV	AR

[Page Break]

Body

SECTION: A

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED05385)*

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB2.620$$JAC2.740*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ABMK	J	OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

APP
Key MRC Mode Code Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB1.900$$JAC2.100*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB2.562$$JAC2.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., ADJHDAB*; ADJHDNC$$DNE*)

ALL*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGONE CENTER HOLE FOR NO. 6 SCREW*)

Separate multiple replies with a semicolon.

(e.g., ALGCGONE CENTER HOLE FOR NO. 6 SCREW; ONE NO. 8-32 THD STUD*)

ALL*

ACDC D CURRENT TYPE

Definition: INDICATES THE TYPE OF CURRENT WHETHER ALTERNATING, DIRECT, OR BOTH.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ACDCDC*; ACDCDB$$DC*)

REPLY CODE	REPLY (AB62)
B	AC
C	DC

ALL*

ELEC B VOLTAGE IN VOLTS

Definition: THE TOTAL ELECTRICAL VOLTAGE.

Reply Instructions: Enter the numeric value. (e.g., ELECB50000.0*; ELECB178.0$$B208.0*)

ALL*

AMPS B CURRENT RATING IN AMPERES

APP
Key MRC Mode Code Requirements

Definition: THE ELECTRICAL CURRENT RATING, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AMPSB100.0*)

ALL*

AQAY J CURRENT INTERRUPTING CAPACITY

Definition: THE AMOUNT OF CURRENT THE ITEM IS DESIGNED TO INTERRUPT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQAYJABTA5.0*; AQAYJACEB4.0$$JACEC5.0*)

Table 1

REPLY CODE	REPLY (AK09)
ABT	AMPERES
ACE	KILOAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

FREQ B FREQUENCY IN HERTZ (cycles per second)

Definition: THE CYCLES PER SECOND (HERTZ) OF THE ALTERNATING CURRENT.

Reply Instructions: Enter the numeric value. (e.g., FREQB60.0*)

ALL*

AQDK J ABSORBER CURRENT RATING

Definition: THE AMOUNT OF CURRENT FOR WHICH THE ABSORBER IS RATED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQDKJAA0.233*; AQDKJAB10.000$$JAC15.000*)

Table 1

REPLY CODE	REPLY (AC30)
A	AMPERES
U	MICROAMPERES
L	MILLIAMPERES

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

AQDL B PROTECTED ITEM MAXIMUM CURRENT RATING IN AMPS

Definition: THE MAXIMUM CURRENT RATING OF THE ITEM BEING PROTECTED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the numeric value. (e.g., AQDLB0.25*)

AA*, AB*, AC

AQDN D PROTECTED ITEM NAME

Definition: THE NAME OF THE ITEM WHICH IS BEING PROTECTED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDNDAB*; AQDNDAF$$DAG*)

REPLY CODE	REPLY (AL00)
AG	AMPLIFIER
AB	COIL
AC	CONTACT
AF	INTEGRATED CIRCUIT
AD	POWER SUPPLY
AH	SILICON RECTIFIER
AJ	TRANSISTOR
AE	TRANSMITTER MODULE

APP Key	MRC	Mode Code	Requirements

AA

AAJG D CONSTRUCTION

Definition: THE FORMATION IDENTIFYING THE STRUCTURAL CHARACTERISTIC OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AAJGDR*)

REPLY CODE	REPLY (AA39)
Q	INCLOSED
R	OPEN

NOTE FOR MRCS AQDQ AND ABBH: IF REPLY CODE Q IS ENTERED FOR MRC AAJG, REPLY TO MRCS AQDQ AND ABBH.

AA* (See Note Above)

AQDQ D INDICATING FEATURE

Definition: AN INDICATION OF WHETHER OR NOT AN INDICATING FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDQDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AA* (See Note Preceding MRC AQDQ)

ABBH D INCLOSURE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INCLOSURE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ABBHDBH0000*; ABBHDBH0000$$DPCW000*; ABBHDPC0000$DPCW000*)

APP Key	MRC	Mode Code	Requirements

AA

APGF D DESIGN TYPE

Definition: INDICATES THE DESIGN TYPE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APGFDACE*)

REPLY CODE	REPLY (AK54)
ACE	DROPOUT
ACF	NONDROPOUT

AA

AFWL D FUSE TYPE ACCOMMODATED

Definition: INDICATES THE TYPE OF FUSE THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFWLDB*)

REPLY CODE	REPLY (AE67)
B	CARTRIDGE
D	INCLOSED LINK
F	OPEN LINK
C	PLUG

AA*

AQAT A FUSE QUANTITY

Definition: THE NUMBER OF FUSES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQATA1*)

AA

AQDR D RECLOSING METHOD

Definition: THE MEANS BY WHICH RECLOSURE IS EFFECTED.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQDRDAW*)

REPLY CODE	REPLY (AC58)
AW	AUTOMATIC
CF	MANUAL

AB*, AC*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group A. (e.g., AARBDBB*; AARBDAZ$$DJP*; AARBDJQ$DAB*)

AB*, AC*

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity in the same sequence as MRC AARB. (e.g., AARAA2*; AARAA1$$A1*)

AB, AC

ALPY D POLARIZATION FEATURE

Definition: AN INDICATION OF WHETHER OR NOT A POLARIZATION FEATURE IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALPYDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AB

APP Key	MRC	Mode Code	Requirements
	AQCW	D	ELEMENT MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE ELEMENT IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AQCWDCUE000*; AQCWDSLJ000$DSY0000*)

AB

AQCT	D	SHUNT CAPACITOR

Definition: AN INDICATION OF WHETHER OR NOT A SHUNT CAPACITOR IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQCTDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

AB*

APZX	D	PROTECTIVE COVERING TYPE

Definition: INDICATES THE TYPE OF PROTECTIVE COVERING PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APZXDAD*)

REPLY CODE	REPLY (AK89)
AD	CAN
AE	CARTRIDGE
AB	CASE
AF	COATING
AG	END SEAL
AH	FINISH
AJ	TUBE

AB*, AC*

ACKG	D	COVERING MATERIAL

APP Key	MRC	Mode Code	Requirements

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE COVERING IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ACKGDBR0000*; ACKGDALC000$$DVAB000*; ACKGDAL1009$DAL0000*)

AB*, AC*

ANPZ D INCLOSURE FEATURE

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 2. (e.g., ANPZDAAM*; ANPZDAAK$$DABG*)

AB*, AC*

AQCS D HERMETIC PROTECTION

Definition: AN INDICATION OF WHETHER OR NOT A HERMETIC PROTECTION IS PROVIDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQCSDB*)

REPLY CODE	REPLY (AB22)
C	NOT PROVIDED
B	PROVIDED

SECTION: B

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED00311)*

ALL			
	MATL	D	MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDALC000*; MATLDBH0000$$DCA0000*; MATLDSTD000$DSTB000*)

BA			
	SHPE	D	SHAPE

Definition: THE PHYSICAL CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., SHPEDAN*)

REPLY CODE	REPLY (AD07)
AN	CYLINDRICAL
RT	RECTANGULAR

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB8.000$$JAC8.250*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADAV J OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.625*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB0.250$$JAC0.281*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB2.500$$JAC2.625*)

APP Key	MRC	Mode Code	Requirements

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ADUM J OVERALL THICKNESS

Definition: AN OVERALL MEASUREMENT OF THE SMALLEST DIMENSION OF AN ITEM, IN DISTINCTION FROM LENGTH OR WIDTH.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADUMJAA2.500*; ADUMJLA25.4*; ADUMJAB2.500$$JAC2.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

BB*

ALGC G MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGONE 1/2 INCH-13 THREADED NIPPLE*)

APP Key	MRC	Mode Code	Requirements

Separate multiple replies with a semicolon.

(e.g., ALGCG1/4 INCH 20 FEMALE THREAD AXIALLY LOCATED AT ONE END OF THREADED HEXAGONAL BASE; ONE 1/2 INCH-13 THREADED NIPPLE*)

BB*

SURF D SURFACE TREATMENT

Definition: CONSISTS OF PLATING, DIP, AND/OR COATING THAT CANNOT BE WIPED OFF. PLATING AND/OR COATING IS ANY CHEMICAL AND/OR METALLIC ADDITIVE, ELECTROCHEMICAL, OR MILD MECHANICAL PROCESS WHICH PROTECTS A SURFACE.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 5. (e.g., SURFDAGE000*; SURFDCN0000$$DEN0000*; SURFDNFG000$DNFY000*)

BA

APZY D CIRCUIT PROTECTOR BLOCK LOCATION

Definition: INDICATES THE LOCATION OF THE CIRCUIT PROTECTOR BLOCK.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., APZYDAB*; APZYDAB$DAC*)

REPLY CODE	REPLY (AK91)
AB	ABOVE GROUND SIDE
AC	GROUND SIDE

BA*

MARK G SPECIAL MARKINGS

Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION, OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURES PART NUMBERS, SYMBOLS, OR THE LIKE.

Reply Instructions: Enter the reply in clear text. (e.g., MARKGGROUND SIDE*)

APP Key	MRC	Mode Code	Requirements

Separate multiple replies with a semicolon. (e.g., MARKGGROUND SIDE; LINE SIDE*)

BB*

AALW D INSULATION MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INSULATION IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AALWDRC0000*; AALWDGS0000$$DPC0000*; AALWDCJ0000$DGS0000*)

BB*

AKYN G FURNISHED ITEMS AND QUANTITY

Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.

Reply Instructions: Enter the reply in clear text. (e.g., AKYNGGUY WIRE 2*)

Separate multiple replies with a semicolon. (e.g., AKYNGGUY WIRE 2; NIPPLE 2*)

SECTION: C

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED00382)*

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA25.4*; ABHPJAB10.781$$JAC11.157*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB5.484$$JAC5.516*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB3.563$$JAC3.687*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB4.825$$JAC4.875*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB0.109$$JAC0.141*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC*

ADJH D MOUNTING METHOD

Definition: THE MEANS OF ATTACHING THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 4. (e.g., ADJHDAD*; ADJHDFB$$DGY*)

ALL*

ALGC G MOUNTING CONFIGURATION

APP Key	MRC	Mode Code	Requirements

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGONE SPRING CLIP AT EACH END*)

Separate multiple replies with a semicolon. (e.g., ALGCGFOUR 0.125 IN. DIA MTG HOLES ON 2 IN. MTG CENTERS; ONE SPRING CLIP AT EACH END*)

CB*

ANPZ D INCLOSURE FEATURE

Definition: AN INDICATION OF THE FEATURE(S) OF THE INCLOSURE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ANPZDACW*)

REPLY CODE	REPLY (AJ95)
ACW	BOX ATTACHED BY METAL CHAIN
ACX	BOX WITH HINGED COVER
ACY	BOX WITH SCREW COVER
ACZ	BOX WITH SLIP-OVER COVER
ADA	CARTRIDGE
ADB	RECTANGULAR COVER
ADC	RECTANGULAR HOOD

CB*

ABBH D INCLOSURE MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH THE INCLOSURE IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., ABBHDST0000*; ABBHDALC000$$DST0000*; ABBHDPCW000$DPC0000*)

CA*, CC

AAFZ D BODY MATERIAL

Definition: THE BASIC MATERIAL OF WHICH THE BODY IS FABRICATED.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., AAFZDST0000*; AAFZDMEL000$$DST0000*; AAFZDCJ0000$DPC0000*)

APP Key	MRC	Mode Code	Requirements

CB, CC

ALBY D USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., ALBYDAAT*; ALBYDAAT$$DAAV*)

REPLY CODE	REPLY (AH21)
AAT	INDOOR
AAV	OUTDOOR

CA

AQEF D INTEGRAL HEATING ELEMENT

Definition: AN INDICATION OF WHETHER OR NOT AN INTEGRAL HEATING ELEMENT IS INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEFDB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

NOTE FOR MRC AQAM: IF REPLY CODE B IS ENTERED FOR MRC AQEF, REPLY TO MRC AQAM.

CA* (See Note Above)

AQAM J OVERLOAD RATING IN AMPS

Definition: THE VALUE, AT WHICH THE OVERLOAD IS RATED, EXPRESSED IN AMPERES.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AQAMJA1.380*; AQAMJB2.410$$JC2.690*)

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM

APP Key	MRC	Mode Code	Requirements
		C	MAXIMUM

CB

AQAN A WIRE QUANTITY

Definition: THE NUMBER OF WIRES THE ITEM CAN ACCOMMODATE.

Reply Instructions: Enter the quantity of wires or pairs. (e.g., AQANA13 PAIRS*)

CB*

AQEB A PROTECTIVE COMPONENT QUANTITY

Definition: THE NUMBER OF PROTECTIVE COMPONENTS PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQEBA24*)

CB*

AQEA D PROTECTIVE COMPONENT

Definition: AN INDICATION OF WHETHER OR NOT PROTECTIVE COMPONENTS ARE INCLUDED.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQEADB*)

REPLY CODE	REPLY (AA49)
B	INCLUDED
C	NOT INCLUDED

CB*

AQDZ G PROTECTIVE COMPONENT NAME

Definition: AN INDICATION OF THE PROTECTIVE PART NAME ACCOMMODATED BY THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AQDZGCARBON BLOCK, TEST PLUG*)

Separate multiple replies with a semicolon, entering in the same sequence as for MRC AQEB. (e.g., AQDZGPORCELAIN BLOCK; FUSE, 3 AMP*)

APP Key	MRC	Mode Code	Requirements

CB*

AKVY G ACCESSORY CONTROLLING AGENCY

Definition: THE NAME OF THE GOVERNMENT AGENCY OR COMMERCIAL ORGANIZATION THAT CONTROLS THE MANUFACTURE OF THE ACCESSORY ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., AKVYGSIGNAL CORPS*)

Separate multiple replies with a semicolon, entering in the same sequence as for MRC AQEB. (e.g., AKVYGCOOK ELECTRIC CO.; WESTERN ELECTRIC CO.*)

CB*

AKVZ J ACCESSORY IDENTIFYING NUMBER

Definition: THE SPECIFIC NUMBER USED TO IDENTIFY THE ACCESSORY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the identifying number. (e.g., AKVZJAE79614*;

AKVZJAFA12$$JAL91-1203*)

REPLY CODE	REPLY (AG99)
AL	CATALOG NO.
AB	DRAWING NO.
AC	MODEL NO.
AD	PART NO.
AE	SERIAL NO.
AF	TYPE NO.

CC

AQAP D ARRESTER TYPE

Definition: INDICATES THE TYPE OF ARRESTER.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AQAPDBL*; AQAPDBC$$DBM*)

REPLY CODE	REPLY (AK80)
BL	AIR GAP
A	ANY ACCEPTABLE
BM	CARBON BLOCK

APP Key	MRC	Mode Code	Requirements
		BN	DIELECTRIC
		BP	GAS
		BQ	OXIDE FILM
		BR	PELLET
		BC	RESISTOR
		BS	SELENIUM
		BT	SILICONE

CC*

AQAQ J BREAKDOWN VOLTAGE

Definition: THE VOLTAGE AT WHICH THE ITEM WILL BREAK DOWN.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQAQJKA1.075*; AQAQJKB1.500$$JKC1.800*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
V	VOLTS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC*

AQAR J LINE TO GROUND VOLTAGE

Definition: AN INDICATION OF THE LINE TO GROUND VOLTAGE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., AQARJVA500.000*; AQARJVB450.000$$JVC550.000*)

Table 1

REPLY CODE	REPLY (AB63)
K	KILOVOLTS
M	MEGAVOLTS
V	VOLTS

APP Key	MRC	Mode Code	Requirements

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

CC*

AARB D TERMINAL TYPE

Definition: INDICATES THE TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group A. (e.g., AARBDDZ*; AARBDAJ$$DAZ*)

CC*

AARA A TERMINAL QUANTITY

Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

Reply Instructions: Enter the quantity. (e.g., AARAA5*; AARAA3$$A5*)

*ALL**

CBBL D FEATURES PROVIDED

Definition: THOSE FEATURES, NOT OTHERWISE SPECIFIED, WHICH MAY BE REQUIRED FOR PROPER FUNCTIONING OF THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., CBBLDFNY)*

REPLY CODE	*REPLY (AN47)*
FNY	*ROHS DIRECTIVE COMPLIANCE*

SECTION: D

APP Key	MRC	Mode Code	Requirements
ALL			
	NAME	D	ITEM NAME

Definition: A NOUN, WITH OR WITHOUT MODIFIERS, BY WHICH AN ITEM OF SUPPLY IS KNOWN.

Reply Instructions: Enter the applicable Item Name Code. (e.g., NAMED00320)*

ALL*			
	ABHP	J	OVERALL LENGTH

Definition: THE DIMENSION MEASURED ALONG THE LONGITUDINAL AXIS WITH TERMINATED POINTS AT THE EXTREME ENDS OF THE ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABHPJAA8.000*; ABHPJLA50.8*; ABHPJAB4.375$$JAC4.438*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*			
	ADAV	J	OVERALL DIAMETER

Definition: A MEASUREMENT OF THE LONGEST STRAIGHT LINE ACROSS A CIRCULAR CROSS-SECTIONAL PLANE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ADAVJAA2.400*; ADAVJLA25.4*; ADAVJAB2.400$$JAC2.500*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABMK J OVERALL WIDTH

Definition: AN OVERALL MEASUREMENT TAKEN AT RIGHT ANGLES TO THE MEASURED LENGTH OF AN ITEM, IN DISTINCTION FROM THICKNESS.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below followed by the numeric value. (e.g., ABMKJAA2.500*; ABMKJLA25.4*; ABMKJAB2.500$$JAC2.625*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABKW J OVERALL HEIGHT

Definition: THE DISTANCE MEASURED IN A STRAIGHT LINE FROM THE BOTTOM TO THE TOP OF AN ITEM.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABKWJAA2.500*; ABKWJLA25.4*; ABKWJAB3.438$$JAC3.500*)

Table 1

REPLY CODE	REPLY (AA05)

APP Key	MRC	Mode Code	Requirements
		A	INCHES
		L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL*

ABFY J OVERALL DEPTH

Definition: AN OVERALL MEASUREMENT BETWEEN SPECIFIED POINTS OF AN ITEM, IN DISTINCTION FROM HEIGHT.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. (e.g., ABFYJAA2.400*; ABFYJLA25.4*; ABFYJAB1.750$$JAC1.812*)

Table 1

REPLY CODE	REPLY (AA05)
A	INCHES
L	MILLIMETERS

Table 2

REPLY CODE	REPLY (AC20)
A	NOMINAL
B	MINIMUM
C	MAXIMUM

ALL

MATL D MATERIAL

Definition: THE ELEMENT, COMPOUND, OR MIXTURE OF WHICH AN ITEM IS FABRICATED, EXCLUDING ANY SURFACE TREATMENT.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 1. (e.g., MATLDALC0000*; MATLDPC0000$$DST00008; MATLDAL0000$DALC000*)

DA*

APP Key	MRC	Mode Code	Requirements
	ALGC	G	MOUNTING CONFIGURATION

Definition: THE PATTERN OR ARRANGEMENT THAT DESCRIBES THE MOUNTING CONFIGURATION OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALGCGTWO RIGHT ANGLE FT 0.500 IN., 4000 IN. C TO C*)

Separate multiple replies with a semicolon. (e.g., ALGCGTWO RIGHT ANGLE FT 0.500 IN., 4.000 IN. C TO C; FOUR 0.166 IN. DIA MTG HOLES 3.562 IN. BY 1.312 IN. C TO C*)

ALL

	AFWL	D	FUSE TYPE ACCOMMODATED

Definition: INDICATES THE TYPE OF FUSE THE ITEM IS DESIGNED TO ACCOMMODATE.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., AFWLDB*)

REPLY CODE	REPLY (AE67)
B	CARTRIDGE
D	INCLOSED LINK
E	INDICATOR ALARM
F	OPEN LINK
C	PLUG

ALL*

	AQAT	A	FUSE QUANTITY

Definition: THE NUMBER OF FUSES PROVIDED.

Reply Instructions: Enter the quantity. (e.g., AQATA24*)

ALL*

	AARB	D	TERMINAL TYPE

Definition: INDICATES THE SPECIFIC TYPE OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group A. (e.g., AARBDBK*)
ALL*			
	AGUF	A	SPARE FUSE ACCOMMODATION QUANTITY
			Definition: THE NUMBER OF SPARE FUSES WHICH MAY BE HELD BY THE FUSEHOLDER AND FOR WHICH NO ELECTRICAL CONNECTIONS ARE PROVIDED.
			Reply Instructions: Enter the quantity. (e.g., AGUFA2*)
ALL*			
	AQAW	D	PANEL TERMINAL TYPE
			Definition: INDICATES THE SPECIFIC TYPE OF TERMINAL(S) ON THE PANEL.
			Reply Instructions: Enter the applicable Reply Code from Appendix B , Reference Drawing Group A. (e.g., AQAWDCM*; AQAWDBE$$DDZ*)
ALL*			
	AARA	A	TERMINAL QUANTITY
			Definition: THE NUMBER OF TERMINALS FOR PROVIDING ELECTRICAL CONNECTION TO THE ITEM.
			Reply Instructions: Enter the quantity. (e.g., AARAA16*; AARAA10$$A12*)
ALL*			
	MARK	G	SPECIAL MARKINGS
			Definition: MARKINGS INCLUDED ON AN ITEM FOR THE PURPOSE OF OFFERING INSTRUCTIONS OR WARNINGS OR TO INDICATE THE PURPOSE, FUNCTION OR APPLICATION OF THE ITEM. EXCLUDES MANUFACTURERS PART NUMBERS, SYMBOLS, OR THE LIKE.
			Reply Instructions: Enter the reply in clear text. (e.g., MARKGFUSE PANEL 130 VOLTS*)
			Separate multiple replies with a semicolon.

APP Key	MRC	Mode Code	Requirements
	(e.g., MARKGFUSE PANEL 130 VOLTS; SPARE 23-28*)		
ALL*			
	AKYN	G	FURNISHED ITEMS AND QUANTITY
	Definition: THE NAME AND NUMBER OF THOSE PARTS FURNISHED WITH THE ITEM OF SUPPLY THAT HAVE NOT BEEN SPECIFIED ELSEWHERE.		
	Reply Instructions: Enter the reply in clear text. (e.g., AKYNG1 CIRCUIT BREAKER*)		
	Separate multiple replies with a semicolon. (e.g., AKYNG1 CIRCUIT BREAKER; 8 SCREWS; 8 NUTS*)		

SECTION: STANDARD

APP Key	MRC	Mode Code	Requirements
ALL *			
	FEAT	G	SPECIAL FEATURES

Definition: THOSE UNUSUAL OR UNIQUE CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN THE OTHER REQUIREMENTS AND WHICH ARE DETERMINED TO BE ESSENTIAL FOR IDENTIFICATION.

Reply Instructions: Enter the reply in clear text. Separate multiple replies with a semicolon. (e.g., FEATGADJUSTABLE NOSE CLIP*; FEATGADJUSTABLE NOSE PIECE; DISPOSABLE*)

ALL *			
	TEST	J	TEST DATA DOCUMENT

Definition: THE SPECIFICATION, STANDARD, DRAWING, OR SIMILAR INSTRUMENT THAT SPECIFIES ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS OR TEST CONDITIONS UNDER WHICH AN ITEM IS TESTED AND ESTABLISHES ACCEPTABLE LIMITS WITHIN WHICH THE ITEM MUST CONFORM IDENTIFIED BY AN ALPHABETIC AND/OR NUMERIC REFERENCE NUMBER. INCLUDES THE COMMERCIAL AND GOVERNMENT ENTITY (CAGE) CODE OF THE ENTITY CONTROLLING THE INSTRUMENT.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the 5-position CAGE Code, a dash, and the document identification number.

(e.g., TESTJA12345-CWX654321*;

TESTJA1234A-654321$$JB5556A-663654*;

TESTJAA2345-654321$JB55566-663654*)

REPLY CODE	REPLY (AC28)
C	DRAWING (This is the basic governing drawing, such as a contractor drawing, original equipment manufacturer drawing, etc.; excludes any specification, standard, or other document that may be referenced in a basic governing drawing)
A	SPECIFICATION (Includes engineering type bulletins, brochures, etc., that reflect specification type data in specification format; excludes commercial catalogs, industry directories, and similar trade publications,

APP Key	MRC	Mode Code	Requirements
			reflecting general type data on certain environmental and performance requirements and test conditions that are shown as "typical," "average," "nominal," etc.)
		B	STANDARD (Includes industry or association standards, individual manufacturer standards, etc.)

ALL *

SPCL G SPECIAL TEST FEATURES

Definition: TEST CONDITIONS AND RATINGS, OR ENVIRONMENTAL AND PERFORMANCE REQUIREMENTS THAT ARE DIFFERENT, MORE CRITICAL, OR MORE SPECIFIC THAN THOSE SPECIFIED IN A GOVERNING TEST DATA DOCUMENT.

Reply Instructions: Enter the reply in clear text. (e.g., SPCLGSELECTED AND TESTED FOR NAVIGATIONAL SYSTEMS*)

ALL *

ZZZK J SPECIFICATION/STANDARD DATA

Definition: THE DOCUMENT DESIGNATOR OF THE SPECIFICATION OR STANDARD WHICH ESTABLISHED THE ITEM OF SUPPLY.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the Commercial and Government Entity (CAGE) Code of the entity controlling the document, a dash, and the document designator. The agency that controls the limited coordination document must be preceded and followed by a slash following the designator. The word canceled or superseded must be preceded and followed by a slash for the designator. Professional and industrial association specifications/standards are differentiated from a manufacturer's specification in that the data has been coordinated and published by the professional and industrial association. Include amendments and revisions where applicable.

(e.g., ZZZKJT81337-30642B*;

ZZZKJS81349-MIL-D-180 REV1/CANCELED/*;

ZZZKJP80205-NAS1103*;

ZZZKJS81349-MIL-C-1140C/CE/*;

ZZZKJT81337-30642B$$JP80205-NAS1103*)

APP Key	MRC	Mode Code	Requirements

REPLY CODE	REPLY (AN62)
S	GOVERNMENT SPECIFICATION
T	GOVERNMENT STANDARD
D	MANUFACTURERS SOURCE CONTROL
R	MANUFACTURERS SPECIFICATION
N	MANUFACTURERS SPECIFICATION CONTROL
M	MANUFACTURERS STANDARD
A	PROFESSIONAL/INDUSTRIAL ASSOCIATION SPECIFICATION
P	PROFESSIONAL/INDUSTRIAL ASSOCIATION STANDARD

NOTE FOR MRC ZZZT: IF THE SPECIFICIATION/STANDARD CITED IN REPLY TO MRC ZZZK IS NONDEFINITIVE, REPLY TO MRC ZZZT. THIS REPLY IS THE DATA WHICH IS NOT RECORDED IN SEGMENT C.

ALL* (See Note Above)

ZZZT J NONDEFINITIVE SPEC/STD DATA

Definition: THE NUMBER, LETTER, OR SYMBOL THAT INDICATES THE TYPE, STYLE, GRADE, CLASS, AND THE LIKE, OF AN ITEM IN A NONIDENTIFYING SPECIFICATION OR STANDARD.

Reply Instructions: Enter the applicable Reply Code from Appendix A , Table 3, followed by the appropriate number, letter, or symbol. (e.g., ZZZTJTY1*; ZZZTJTY1$$JSTA*; ZZZTJTY1$JSTA*)

ALL *

ZZZW G DEPARTURE FROM CITED DOCUMENT

Definition: THE TECHNICAL DIFFERENTIATING CHARACTERISTIC(S) OF AN ITEM OF SUPPLY WHICH DEPART(S) FROM THE TEXT OF A SPECIFICATION OR A STANDARD IN THAT IT REPRESENTS A SELECTION OF CHARACTERISTICS STATED IN THE SPECIFICATION OR STANDARD AS BEING OPTIONAL, OR A VARIATION FROM ONE OR MORE OF THE STATED CHARACTERISTICS, OR AN ADDITIONAL CHARACTERISTIC NOT STATED IN THE SPECIFICATION OR STANDARD.

Reply Instructions: Enter the reply in clear text. (e.g., ZZZWGAS MODIFIED BY MATERIAL*)

APP Key	MRC	Mode Code	Requirements
ALL *			
	ZZZX	G	DEPARTURE FROM CITED DESIGNATOR
			Definition: THE VARIATION WHEN THE ITEM IS IN CONFORMITY WITH A TYPE DESIGNATOR COVERED BY A SPECIFICATION OR STANDARD, EXCEPT IN REGARD TO ONE OR MORE TECHNICAL DIFFERENTIATING CHARACTERISTICS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZXGAS MODIFIED BY MATERIAL*)
ALL *			
	ZZZY	G	REFERENCE NUMBER DIFFERENTIATING CHARACTERISTICS
			Definition: A FEATURE OF THE ITEM OF SUPPLY WHICH MUST BE SPECIFICALLY RECORDED WHEN THE REFERENCE NUMBER COVERS A RANGE OF ITEMS.
			Reply Instructions: Enter the reply in clear text. (e.g., ZZZYGCOLOR CODED LEADS*; ZZZYGAS DIFFERENTIATED BY MATERIAL*)
ALL *			
	CRTL	A	CRITICALITY CODE JUSTIFICATION
			Definition: THE MASTER REQUIREMENT CODES OF THOSE REQUIREMENTS WHICH ARE TECHNICALLY CRITICAL BY REASON OF TOLERANCE, FIT, PERFORMANCE, OR OTHER CHARACTERISTICS WHICH AFFECT IDENTIFICATION OF THE ITEM.
			Reply Instructions: Enter the Master Requirement Code for the requirement, the reply to which renders the item as being critical. (e.g., CRTLAMATL*; CRTLAMATL$$ASURF*)
			Reply to this requirement only if the header record for the item identification for the item being identified has been coded as critical.
NOTE FOR MRC PRPY: IF DOCUMENT AVAILABILITY CODE B, D, F, OR H, REPLY TO MRC PRPY.			
ALL * (See Note Above)			

APP Key	MRC	Mode Code	Requirements
	PRPY	A	PROPRIETARY CHARACTERISTICS

Definition: IDENTIFICATION OF THOSE CHARACTERISTICS INCLUDED IN THE DESCRIPTION FOR WHICH A NON-GOVERNMENT ACTIVITY HAS IDENTIFIED ALL OR SELECTED CHARACTERISTICS OF THE ITEM AS BEING PROPRIETARY AND THEREFORE RESTRICTED FROM RELEASE OUTSIDE THE GOVERNMENT WITHOUT PRIOR PERMISSION OF THE ORIGINATOR OF THE DATA.

Reply Instructions: Enter the MRC codes of the individual characteristics of the description which are marked proprietary on the technical data, using AND coding ($$) for multiple characteristics. If all the MRCs are proprietary, enter the reply PACS. If none of the MRCs is proprietary, enter the reply NPAC. (e.g., PRPYAPACS*; PRPYANPAC*; PRPYAMATL$$ASURF*)

ALL *

	ELRN	G	EXTRA LONG REFERENCE NUMBER

Definition: A REFERENCE NUMBER EXCEEDING 32 POSITIONS.

Reply Instructions: Enter the entire reference number. Do not include the 5-position Commercial and Government Entity (CAGE) Code. (e.g., ELRNGANN112036BIL060557LEN0313605UZ062365*)

In determining quantity of characters in the reference number, count will be made after modification in accordance with Volume 2, Chapter 9, FLIS Procedures Manual, DoD 4100.39-M.

NOTE FOR MRC NHCF: IF THE CRITICALITY CODE IS E, H, OR M, REPLY TO MRC NHCF.

ALL* (See Note Above)

	NHCF	D	NUCLEAR HARDNESS CRITICAL FEATURE

Definition: AN INDICATION OF THE NUCLEAR HARDNESS CRITICALITY OF THE ITEM.

Reply Instructions: Enter the reply code from the table below. (e.g., NHCFDCY*)

REPLY CODE	REPLY (AD05)
CY	HARDENED

APP Key	MRC	Mode Code	Requirements
ALL *			
	ELCD	D	EXTRA LONG CHARACTERISTIC DESCRIPTION

Definition: A DESCRIPTION THAT EXCEEDS 5000 CHARACTERS.

Reply Instructions: Enter the Reply Code from the table below. (e.g., ELCDDA*)

REPLY CODE	REPLY (AN58)
A	ADDITIONAL DESCRIPTIVE DATA ON MANUAL RECORD

SECTION: SUPPTECH

APP Key	MRC	Mode Code	Requirements
ALL			
	AFJK	J	CUBIC MEASURE

Definition: A MEASUREMENT OF VOLUME TAKEN BY MULTIPLYING THE LENGTH BY THE WIDTH BY THE HEIGHT OF AN ITEM AND RENDERED IN CUBIC UNITS.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AFJKJB8.000*)

REPLY CODE	REPLY (AD42)
C	CUBIC CENTIMETERS
B	CUBIC INCHES

ALL			
	AGAV	G	END ITEM IDENTIFICATION

Definition: THE NATIONAL STOCK NUMBER OR THE IDENTIFICATION INFORMATION OF THE END EQUIPMENT FOR WHICH THE ITEM IS A PART.

Reply Instructions: Enter the reply in clear text.

(e.g., AGAVG3930-00-000-0000*;

AGAVGFORKLIFT TRUCK, SMITH CORPORATION, MODEL 12, TYPE A*)

ALL			
	ALCD	G	USAGE DESIGN

Definition: INDICATES THE DESIGNED USE OF THE ITEM.

Reply Instructions: Enter the reply in clear text. (e.g., ALCDGFOR AIR SEARCH*)

ALL			
	AWJN	J	UNPACKAGED UNIT WEIGHT

Definition: THE MEASURED WEIGHT OF AN ITEM UNENCUMBERED BY PACKAGING OR PACKING MATERIAL.

APP Key	MRC	Mode Code	Requirements

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the numeric value. (e.g., AWJNJAS1.500*; AWJNJAJ0.4*)

REPLY CODE	REPLY (AG67)
BA	GRAMS
AJ	KILOGRAMS
AS	POUNDS

ALL

PRMT D PRECIOUS MATERIAL

Definition: IDENTIFICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below. (e.g., PRMTDAGA000*; PRMTDAUA000$$DAGA000*; PRMTDAGA000$DAUA000*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

PMWT J PRECIOUS MATERIAL AND WEIGHT

Definition: AN INDICATION OF THE PRECIOUS MATERIAL CONTAINED IN THE ITEM, AND THE AMOUNT PER A MEASUREMENT SCALE.

Reply Instructions: Enter the applicable Reply Codes from Tables 1 and 2 below, followed by the numeric value. Enter multiple replies in Table 1 sequence. (e.g., PMWTJPTA000R0.780*; PMWTJAUA000F0.500$$JAGA000R0.780*; PMWTJAUA000F0.500$JAGA000R0.780*)

Table 1

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM

APP Key	MRC	Mode Code	Requirements
		AZA000	OSMIUM
		PDA000	PALLADIUM
		PTA000	PLATINUM
		RHA000	RHODIUM
		RTA000	RUTHENIUM
		AGA000	SILVER

Table 2

REPLY CODE	REPLY (AG14)
E	GRAINS, TROY
R	GRAMS
F	OUNCES, TROY

ALL

PMLC J PRECIOUS MATERIAL AND LOCATION

Definition: AN INDICATION OF THE PRECIOUS MATERIAL AND ITS LOCATION IN THE ITEM.

Reply Instructions: Enter the applicable Reply Code from the table below, followed by the location in clear text. (e.g., PMLCJAUA000TERMINALS*; PMLCJAUA000TERMINALS$$JAGA000INTERNAL SURFACES*; PMLCJAGA000TERMINALS$JAUA000INTERNAL SURFACES*)

REPLY CODE	REPLY (MA01)
AUA000	GOLD
IRA000	IRIDIUM
AZA000	OSMIUM
PDA000	PALLADIUM
PTA000	PLATINUM
RHA000	RHODIUM
RTA000	RUTHENIUM
AGA000	SILVER

ALL

SUPP G SUPPLEMENTARY FEATURES

Definition: CHARACTERISTICS OR QUALITIES OF AN ITEM NOT COVERED IN ANY OTHER REQUIREMENT, WHICH ARE CONSIDERED ESSENTIAL INFORMATION FOR ONE OR MORE FUNCTIONS EXCLUDING NSN ASSIGNMENT.

APP Key	MRC	Mode Code	Requirements
			Reply Instructions: Enter the reply in clear text. (e.g., SUPPGMAY INCL HOLE IN UPPER SUPPORT FOR MTG DURING SHIPMENT*)
ALL			
	ZZZP	J	PURCHASE DESCRIPTION IDENTIFICATION
			Definition: THE CONTROLLING ACTIVITY AND IDENTIFICATION OF A DOCUMENT USED IN LIEU OF A SPECIFICATION IN THE PROCUREMENT OF AN ITEM OF SUPPLY.
			Reply Instructions: Enter the 5-position Commercial and Government Entity (CAGE) Code, followed by a dash and the identifying number of the document.
			(e.g., ZZZPJ81337-30624A*)
ALL			
	ZZZV	G	FSC APPLICATION DATA
			Definition: THE JUSTIFICATION FOR THE ASSIGNMENT OF A FEDERAL SUPPLY CLASS (FSC) TO AN ITEM BASED ON THE CLASSIFICATION OF THE NEXT HIGHER CLASSIFIABLE ASSEMBLY.
			Reply Instructions: Enter the name of the next higher classifiable assembly in clear text. (e.g., ZZZVGFUEL SYSTEM, GASOLINE ENGINE, NONAIRCRAFT*)

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Reply Tables

Table 1 - MATERIALS

MATERIALS

REPLY CODE	REPLY (AD09)
DFU000	ACETATE
ALC000	ALUMINUM
AL0000	ALUMINUM ALLOY
AL1012	ALUMINUM ALLOY, QQ-A-250/8, 5052, H32
	Aluminum Alloy, QQ-A-318, 5052-H32-CANCELED (use Reply Code AL1012)
AS0000	ASBESTOS
MEL000	BIMETAL
BR0000	BRASS
BN0000	BRONZE
CA0000	CARBON
CSE000	CELLULOSE ACETATE
CJ0000	CERAMIC
CU0000	COPPER
CK0000	COPPER ALLOY
CUE000	COPPER OXIDE
CUH000	COPPER-SILICON ALLOY
EN0000	ENAMEL
ZZF000	FERROUS ALLOY
FB0000	FIBER
FG0000	FIBERGLASS
GH0000	GERMANIUM
GS0000	GLASS
FE0000	IRON
FEA000	IRON, CAST
LQ0000	LACQUER
ME0000	METAL
AY0000	MICA
AYA000	MICA, GLASS-BONDED
PNG000	PAINT
PF0000	PAPER
PC0000	PLASTIC
PCAAAT	PLASTIC, EPOXY RESIN
PCM000	PLASTIC, MELAMINE
PCAAL0	*PLASTIC, PHENOL-FORMALDEHYDE (Bakelite)*
PCW000	PLASTIC, PHENOLIC
BH0000	PORCELAIN
RC0000	RUBBER
SY0000	SELENIUM
SLJ000	SILICON
SU0000	SILICON BRONZE
SLF000	SILICONE CARBIDE
SKB000	SLATE
ST0000	STEEL

REPLY CODE	REPLY (AD09)
STB000	STEEL, CORROSION RESISTING
STD000	STEEL, STAINLESS
SN0000	TIN
	Tin, Electroplated (use Reply Code SN0000)
VAB000	VARNISH
WD0000	WOOD
ZN0000	ZINC
ZNA000	ZINC CHROMATE

Table 2 - INCLOSURE FEATURES

INCLOSURE FEATURES

REPLY CODE	REPLY (AJ95)
ABH	CORROSION PROOF
ABG	CORROSION RESISTANT
AAD	DRIPPROOF
ABK	DUST-IGNITION PROOF
ABJ	DUST TIGHT
AAE	DUSTPROOF
ABM	FIRE RESISTANT
AAJ	FUNGUS RESISTANT
AAK	HERMETICALLY SEALED
ABP	HIGH SHOCK PROOF
ABR	HUMIDITY PROOF
ABT	MOISTURE PROOF
ABX	RAINTIGHT
ACB	SALT AIR PROOF
ACD	SALT SPRAY PROOF
ACC	SALT SPRAY RESISTANT
ACP	TROPICALIZED

Table 3 - NONDEFINITIVE SPEC/STD DATA

NONDEFINITIVE SPEC/STD DATA

REPLY CODE	REPLY (AD08)
AL	ALLOY
AN	ANNEX
AP	APPENDIX
AC	APPLICABILITY CLASS
AR	ARRANGEMENT
AS	ASSEMBLY
AB	ASSORTMENT
BX	BOX
CY	CAPACITY
CA	CASE
CT	CATEGORY

REPLY CODE	REPLY (AD08)
CL	CLASS
CE	CODE
CR	COLOR
CC	COMBINATION CODE
CN	COMPONENT
CP	COMPOSITION
CM	COMPOUND
CD	CONDITION
CS	CONSTRUCTION
DE	DESIGN
DG	DESIGNATOR
DW	DRAWING NUMBER
EG	EDGE
EN	END
FY	FAMILY
FG	FIGURE
FN	FINISH
FM	FORM
FA	FORMULA
GR	GRADE
GP	GROUP
NS	INSERT
TM	ITEM
KD	KIND
KT	KIT
LG	LENGTH
LT	LIMIT
MK	MARK
ML	MATERIAL
MH	MESH
ME	METHOD
MD	MODEL
MT	MOUNTING
NR	NUMBER
PT	PART
PN	PATTERN
PC	PHYSICAL CONDITION
PS	PIECE
PL	PLAN
PR	POINT
QA	QUALITY
RN	RANGE
RT	RATING
RF	REFERENCE NUMBER
SC	SCHEDULE
SB	SECTION
SL	SELECTION
SE	SERIES

REPLY CODE	REPLY (AD08)
SV	SERVICE
SX	SET
SA	SHADE
SH	SHAPE
SG	SHEET
SZ	SIZE
PZ	SPECIES
SQ	SPECIFICATION SHEET
SD	SPEED
ST	STYLE
SS	SUBCLASS
SF	SUBFORM
SP	SUBTYPE
SN	SURFACE CONDITION
SY	SYMBOL
SM	SYSTEM
TB	TABLE
TN	TANNAGE
TP	TEMPER
TX	TEXTURE
TK	THICKNESS
TT	TREATMENT
TR	TRIM
TY	TYPE
YN	UNIT
VA	VARIETY
WT	WEIGHT
WD	WIDTH

Table 4 - MOUNTING METHODS

MOUNTING METHODS

REPLY CODE	REPLY (AB89)
AFZ	BAYONET
AA	BOLT
NB	BOX ENCASED
AB	BRACKET
CZ	BUSHING
DK	CASE
AD	CLAMP
NC	CLAMP TYPE CROSSARM HANGER
CR	CLIP
ND	CROSSARM
YL	CROSSARM BRACKET
NE	CUTOUT BRACKET
NF	FERRULE
AF	FLANGE

REPLY CODE	REPLY (AB89)
AG	FRICTION
NG	HANGER
GY	HOLES
AM	PLATE
LX	RACK
AN	SCREW
FB	SLOT
DF	STUD
AS	TAB
BQ	TERMINAL
GV	TERMINALS, WIRE LEAD
AFA	THREADED HOLE
JK	THREADED STUD
AHJ	THROUGH BOLT
NH	U-BOLT
NJ	WIRE LEAD

Table 5 - SURFACE TREATMENTS

SURFACE TREATMENTS

REPLY CODE	REPLY (AD09)
AN0000	ANODIZED
	Black Oxide (use Reply Code XX0000)
BBN000	BLACK, WRINKLE FINISH
CD0000	CADMIUM
CDR000	CADMIUM PLATED
CL0001	CHEMICAL FILM, MIL-C0-5541
CNA000	CHROMATE DIPPED
CNB000	CHROMATE FILM
CN0000	CHROMATE (Iridite) (Cronak)
CHC000	CHROME PLATED
CRA000	CHROMIUM PLATED
CUZ000	COPPER FLASH
ZZG000	ELECTRICALLY CONDUCTIVE RESISTANCE COATING
EN0000	ENAMEL
ENE000	ENAMEL, BAKED
	Enamel, Black (use Reply Code EN0000)
ENAX00	ENAMEL, FLAT
END000	ENAMEL, WRINKLE FINISH
	Enameled (use Reply Code EN0000)
ECA000	ETCHED
GB0000	GALVANIZED
GBD000	GALVANIZED, HOT DIP
LQF000	LACQUER, ALUMINUM
LQC000	LACQUERED
NR0000	NATURAL
NF0000	NICKEL (Alumel)

REPLY CODE	REPLY (AD09)
NFG000	NICKEL PLATED
NFY000	NICKEL TIPPED
XX0000	OXIDE
XX0014	OXIDE FILM, MIL-C-5541, TYPE 1, GRADE C, CLASS 3
PNG000	PAINT
PNE000	PAINTED, CRACKLED FINISH
	Painted (use Reply Code PNG000)
PS0000	PASSIVATED
PHD000	PHOSPHATE DIP (Alodine)
FNE000	POLISHED (Alodine)
PK0000	POTASH DIP
AGE000	SILVER PLATED
SNF000	TIN PLATED
ZN0000	ZINC
ZNA000	ZINC CHROMATE
ZNAE00	ZINC CHROMATE PRIMER

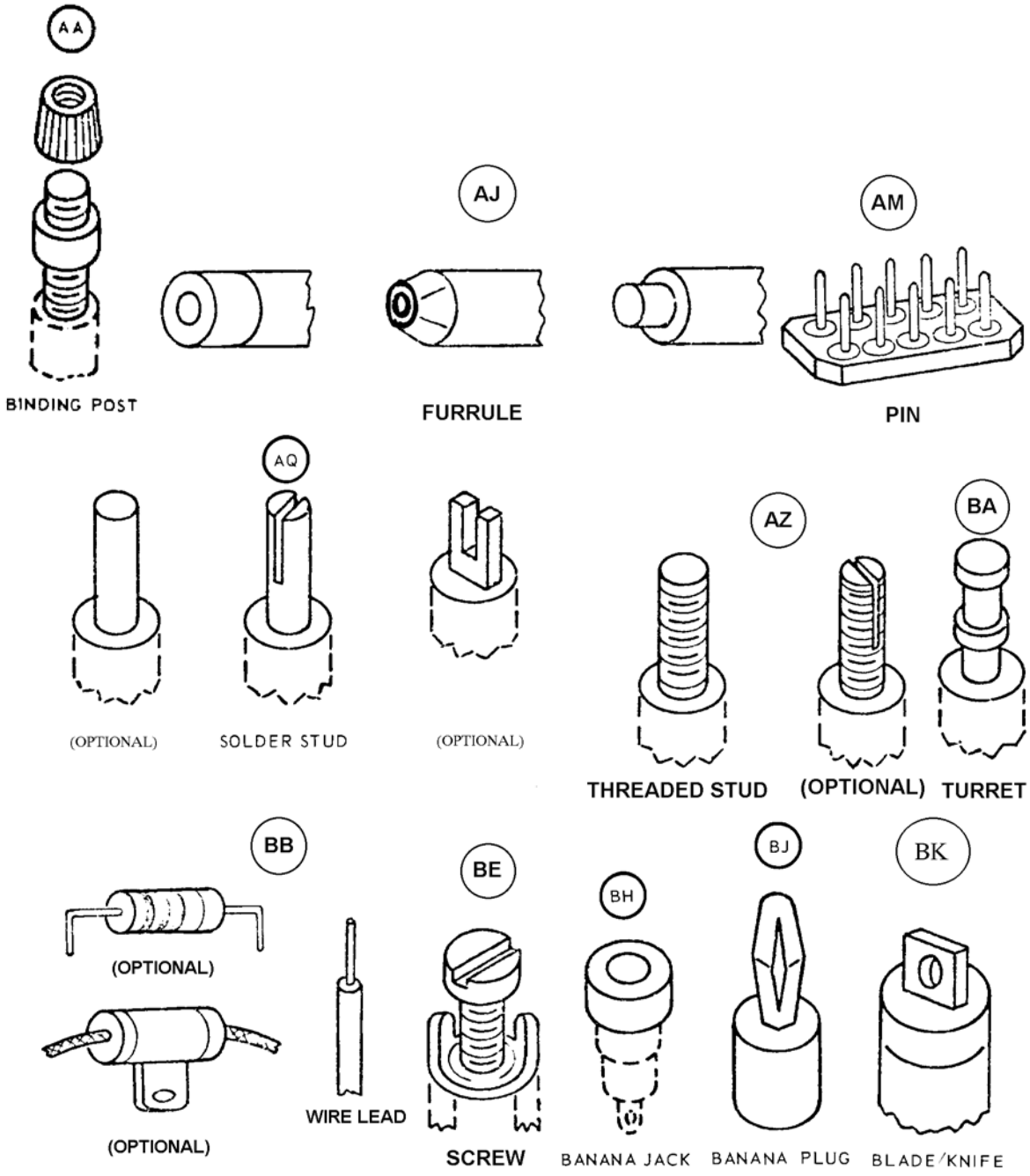
Reference Drawing Groups

REFERENCE DRAWING GROUP A Tables

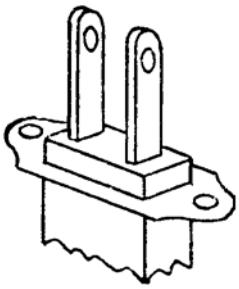
REPLY CODE	REPLY (AA58)
A	ANY ACCEPTABLE
GD	BAR
JG	BINDING HEAD SCREW
AB	BRACKET
BL	BUS BAR
AC	CLAMP
JH	CONNECTOR,
AE	DOUBLE SCREW
JJ	EXTENDED TAB
AF	EYELET
AH	EYELET W/WIRE LEAD
AK	FERRULE W/TAB
AL	FERRULE W/WIRE LEAD
CN	FLANGE
JL	MEDIUM SCREW BASE
GT	PLUG-IN
JM	PUSH-ON
JN	S-BASE
AACW	SOLDER LUG
HN	SOLDER TAB
JQ	STANDOFF
JR	STUD AND NUT
CV	SURFACE CONTACT
BF	TAB
AU	TAB W/SCREW
BC	WIRE LOOP

TERMINAL TYPES

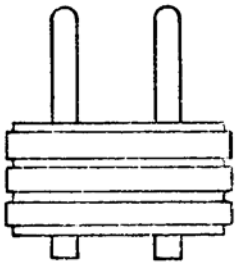
NOTE: The styles shown herein are only the outline and are not restricted to an exact shape.



BP

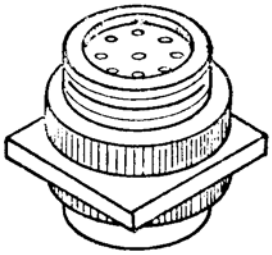


CONNECTOR, PLUG

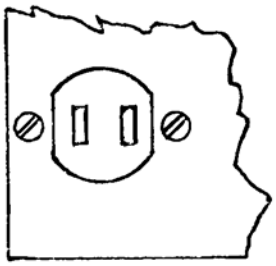


(OPTIONAL)

BQ

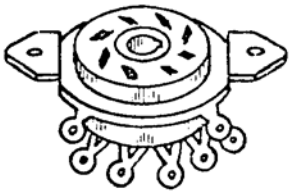


CONNECTOR, RECEPTACLE

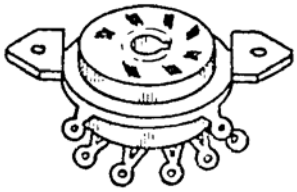


(OPTIONAL)

BX

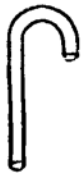


SOCKET



(OPTIONAL)

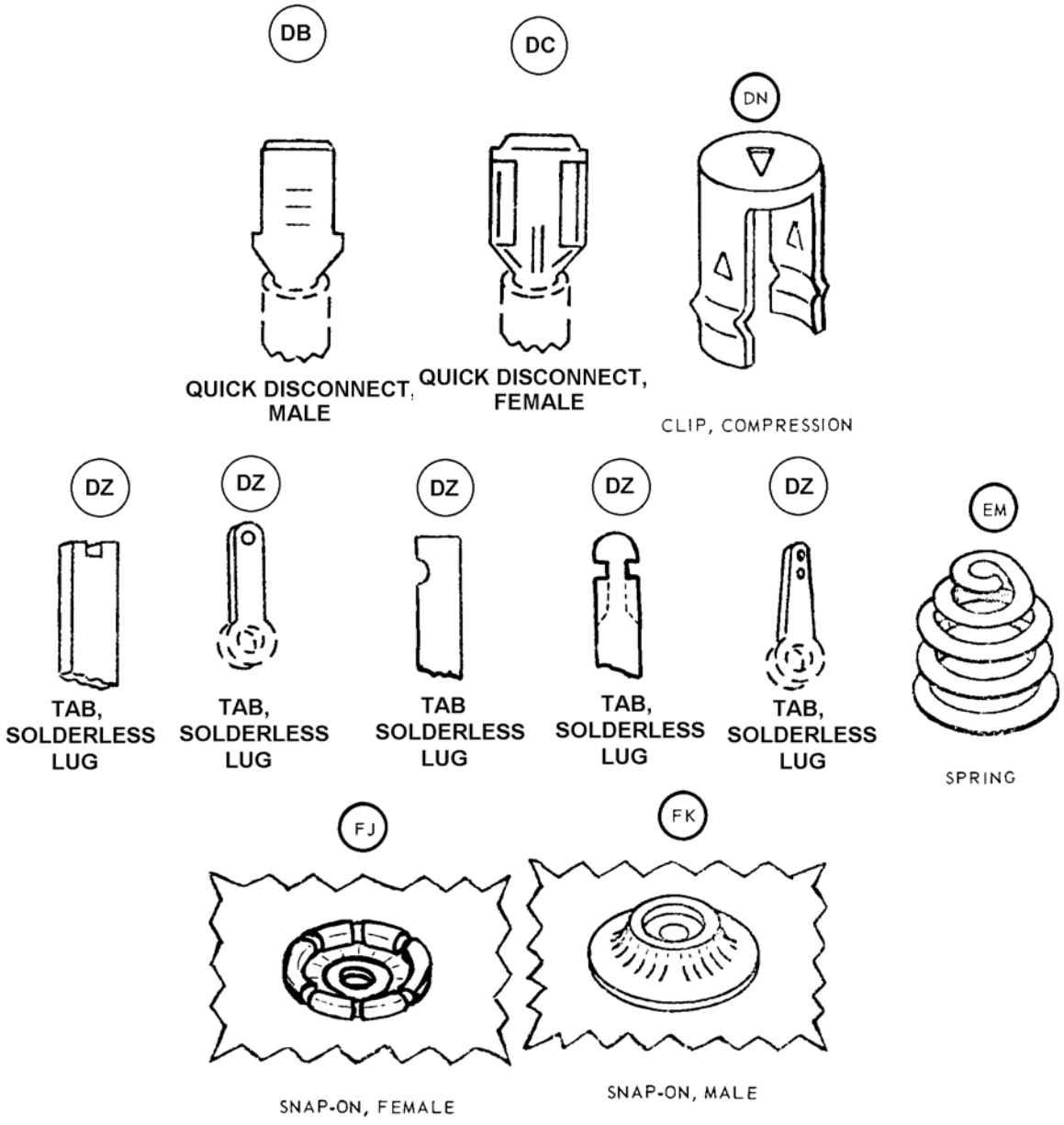
CM

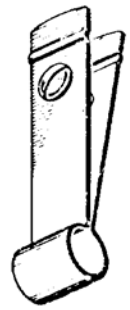


(OPTIONAL)

WIRE HOOK

(OPTIONAL)


DB
DC
DN
QUICK DISCONNECT, MALE
QUICK DISCONNECT, FEMALE
CLIP, COMPRESSION
DZ
DZ
DZ
DZ
DZ
TAB, SOLDERLESS LUG
TAB, SOLDERLESS LUG
TAB SOLDERLESS LUG
TAB, SOLDERLESS LUG
TAB, SOLDERLESS LUG
EM
SPRING
FJ
FK
SNAP-ON, FEMALE
SNAP-ON, MALE



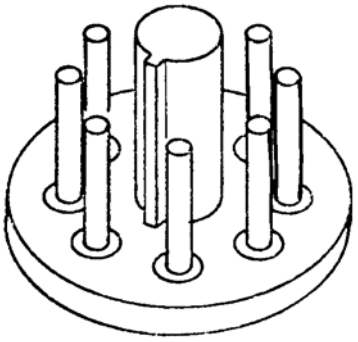
(OPTIONAL)

HR

SPRING CLIP

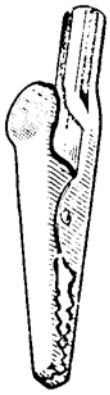
(OPTIONAL)

JB



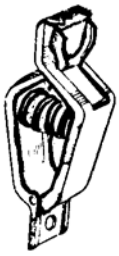
TUBE PLUG

JF



ALLIGATOR CLIP

(OPTIONAL)



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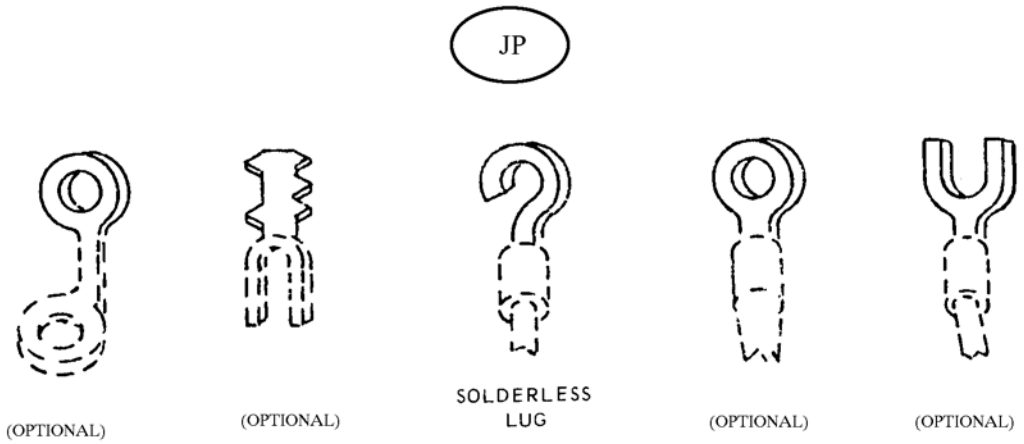
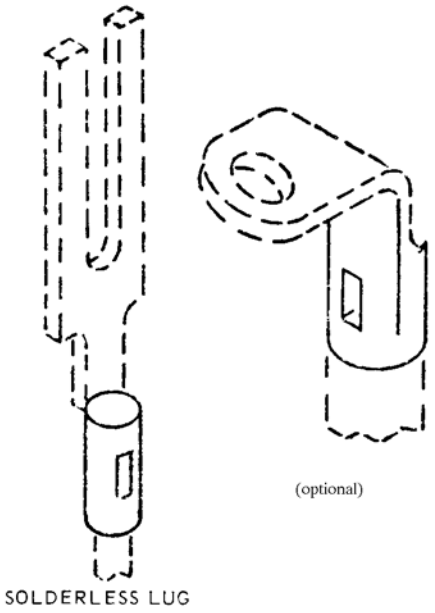
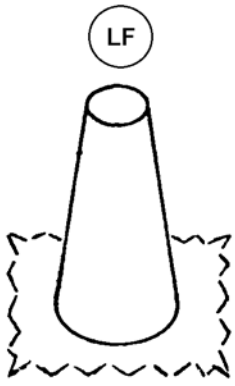
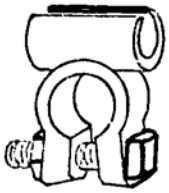

JP
(OPTIONAL)
(OPTIONAL)
SOLDERLESS
LUG
(OPTIONAL)
(OPTIONAL)


(optional)
SOLDERLESS LUG


LF

TAPER POST

LT



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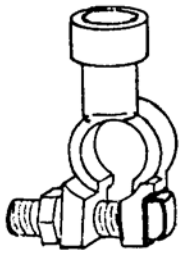

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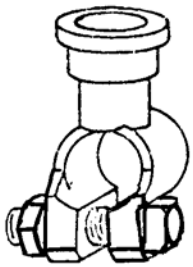
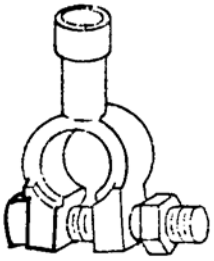


BATTERY
TERMINAL



(OPTIONAL)

Technical Data Tables

STANDARD FRACTION TO DECIMAL CONVERSION CHART

4ths	8ths	16ths	32nds	64ths	To 3	To 4	4ths	8ths	16ths	32nds	64ths	To 3	To 4
				1/64	.016	.0156					33/64	.516	.5156
			1/32	-----	.031	.0312				17/32	------	.531	.5312
				3/64	.047	.0469					35/64	.547	.5469
		1/16	-----		.062	.0625			9/16	-----	-----	.562	.5625
				5/64	.078	.0781					37/64	.578	.5781
			3/32	-----	.094	.0938				19/32	------	.594	.5938
				7/64	.109	.1094					39/64	.609	.6094
	1/8	-----	-----	-----	.125	.1250		5/8	-----	-----	-----	.625	.6250
				9/64	.141	.1406					41/64	.641	.6406
			5/32	-----	.156	.1562				21/32	------	.656	.6562
				11/64	.172	.1719					43/64	.672	.6719
		3/16	-----	-----	.188	.1875			11/16	-----	-----	.688	.6875
				13/64	.203	.2031					45/64	.703	.7031
			7/32	------	.219	.2188				23/32	------	.719	.7188
				15/64	.234	.2344					47/64	.734	.7344
1/4	-----	-----	-----	-----	.250	.2500	3/4	-----	-----	-----	-----	.750	.7500
				17/64	.266	.2656					49/64	.766	.7656
			9/32	------	.281	.2812				25/32	------	.781	.7812
				19/64	.297	.2969					51/64	.797	.7969
		5/16	-----	-----	.312	.3125			13/16	-----	-----	.812	.8125
				21/64	.328	.3281					53/64	.828	.8281
			11/32	------	.344	.3438				27/32	------	.844	.8438
				23/64	.359	.3594					55/64	.859	.8594
	3/8	-----	-----	-----	.375	.3750		7/8	-----	-----	-----	.875	.8750
				25/64	.391	.3906					57/64	.891	.8906
			13/32	------	.406	.4062				29/32	------	.906	.9062
				27/64	.422	.4219					59/64	.922	.9219
		7/16	-----	-----	.438	.4375			15/16	-----	-----	.938	.9375
				29/64	.453	.4531					61/64	.953	.9531
			15/32	------	.469	.4688				31/32	------	.969	.9688
				31/64	.484	.4844					63/64	.984	.9844
					.500	.5000						1.000	1.0000

CELSIUS-FAHRENHEIT CONVERSION TABLE

CONVERTED TO CELSIUS	TEMP READING	CONVERTED TO FAHRENHEIT
-62.2	-80	-112.0
-56.7	-70	-94.0
-51.1	-60	-76.0
-45.6	-50	-58.0
-40.0	-40	-40.0
-34.4	-30	-22.0
-31.7	-25	-13.0
-28.9	-20	-4.0
-26.1	-15	+5.0
-23.3	-10	14.0
-20.6	-5	23.0
-17.8	0	32.0
-15.0	5	41.0
-12.22	10	50.0
-9.44	15	59.0
-6.67	20	68.0
-3.89	25	77.0
-1.11	30	86.0
1.67	35	95.0
4.44	40	104.0
7.22	45	113.0
10.00	50	122.0
12.78	55	131.0
15.56	60	140.0
18.33	65	149.0
21.11	70	158.0
23.89	75	167.0
26.67	80	176.0
29.44	85	185.0
32.22	90	194.0
35.00	95	203.0
37.78	100	212.0
40.56	105	221.0
43.33	110	230.0
46.11	115	239.0
48.89	120	248.0
51.67	125	257.0
54.44	130	266.0
57.22	135	275.0
60.00	140	284.0

CONVERTED TO CELSIUS	TEMP READING	CONVERTED TO FAHRENHEIT
65.56	150	302.0
71.11	160	320.0
76.67	170	338.0
82.22	180	356.0
87.78	190	374.0
93.33	200	392.0
98.89	210	410.0
104.44	220	428.0
110.00	230	446.0
115.56	240	464.0
121.11	250	482.0
126.67	260	500.0
132.22	270	518.0
137.78	280	536.0
143.33	290	554.0
148.89	300	572.0
154.44	310	590.0
160.00	320	608.0
165.66	330	626.0
171.11	340	644.0
176.67	350	662.0
182.22	360	680.0
187.78	370	698.0
193.33	380	716.0
198.89	390	734.0
204.44	400	752.0
210.00	410	770.0
215.56	420	788.0
221.11	430	806.0
226.67	440	824.0
232.22	450	842.0
237.78	460	860.0
243.33	470	878.0
248.89	480	896.0
254.44	490	914.0
260.00	500	932.0
265.56	510	950.0
271.11	520	968.0
276.67	530	986.0
282.22	540	1004.0
287.78	550	1022.0

The middle column of figures contains the reading (|SDF or |SDC) to be converted. If converting from degrees Fahrenheit to degrees Celsius, read the Celsius equivalent in the column headed "Converted to Celsius". If converting from Celsius to Fahrenheit, read the Fahrenheit equivalent in the column headed "Converted to Fahrenheit".

FIIG Change List

FIIG Change List, Effective October 2, 2009

Added MRC CBBL and Reply code FNY to Section C.

Deleted Reply Code A - Any Acceptable - from FIIG.